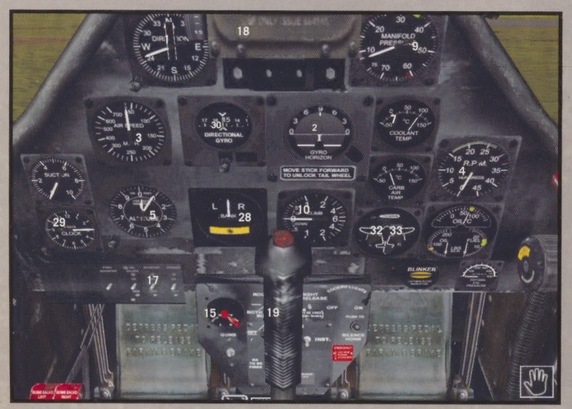
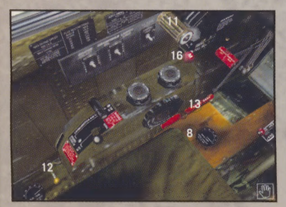
FIGHTER PLANES INSTRUMENT PANELS

SINGLE-ENGINE AIRCRAFT

P-51: Pilot's Instrument View



Center View

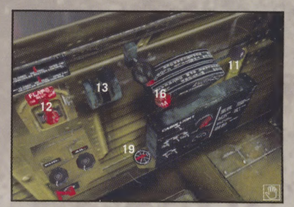


Left View

Right View

P-47: Pilot's Instrument View

Center View



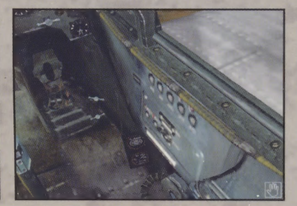
Left View

Right View

Bf-109: Pilot's Instrument View

Center View

Left View



Right View

FW-190: Pilot's Instrument View

Center View

Left View

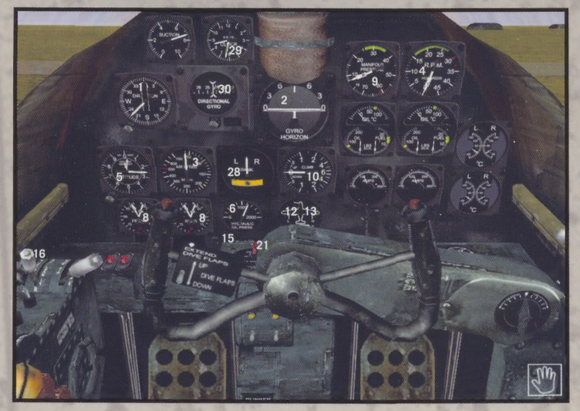
Right View

1. Compass
2. Artificial Horizon
3. Airspeed Indicator
4. Tachometer
5. Altimeter
6. Oil Pressure Gauge
7. Engine Temperature Gauge
8. Fuel Gauge
9. Manifold Pressure Gauge
10. Rate of Climb Indicator
11. Throttles
12. Flaps Lever
13. Landing Gear Handle
14. Battery Switch
15. Magnetos
16. Fuel Mixture
17. Starter Switch
18. Gunsight Controls
19. Fuel Tank Selectors
20. Master Battery Switch
21. Mainline Switch
22. Fuel Cock
23. Starter Cover and Starter
24. Gas Temperature Gauges
25. Fuel Cock Levers
26. Starter Covers and Switches (Right cockpit side)
27. Starter Buttons (Throttle mounted)
28. Turn and Bank Indicator
29. Clock
30. Directional Gyro
31. Ammo Counters
32. Flaps Indicator
33. Landing Gear Indicator

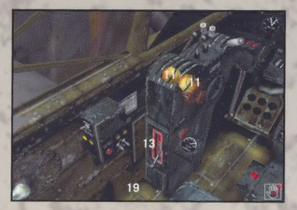
Product #99714

TWIN-ENGINE/JET AIRCRAFT

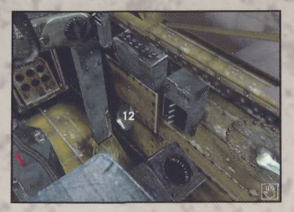
P-38: Pilot's Instrument View



Center View



Left View

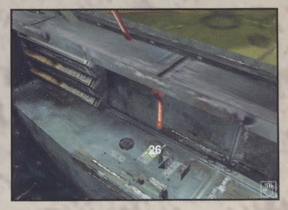


Right View

Me-262: Pilot's Instrument View

Center View

Left View



Right View

B-17 INSTRUMENT PANELS

PILOT

Pilot's Instrument View (Instrument View/F4)

1. Voltmeter (AC)
2. Radio Compass
3. Flux Gate Compass
4. Hydraulic Oil Pressure Gauge
5. Pilot's Directional Indicator
6. Pilot's Localizer Indicator
7. Altimeter
8. (x4) Propeller Feathering Switches 1 = Engine One, etc.
9. Airspeed Indicator
10. Directional Gyro
11. Rate of Climb Indicator
12. Flight Indicator
13. Turn and Bank Indicator
14. (x2) Manifold Pressure Gauges
15. (x2) Tachometer (RPM)
16. Landing Gear Warning Light
17. Bomber Call Light
18. Tail Wheel Lock light
19. Flap Position Indicator (Up/Down)

Pilot's Control Panel – Left

20. Ammeters
21. Generator Switches
22. Battery Switches
23. Hydraulic Pump Servicing Switch
24. Voltmeter Selector
25. Inverter Switch

Pilot's Control Panel – Pedestal

26. (x4) Ignition Switches (Magnetos)
27. (x4) Fuel Boost Pump Switches
28. (x4) Fuel Shut Off Valve Switches
29. (x4) Cowl Flap Control Valves
30. Landing Gear Switch
31. Wing Flap Switch
32. (x4) Turbo Supercharger Controls
33. Turbo and Mixture Control Lock
34. Throttle Control Lock
35. Propeller Control Lock
36. (x4) Propeller Pitch Controls
37. (2x2) Throttle Controls
38. (x4) Mixture Controls (Lean-Rich)
39. Recognition Lights/Running Light Switches
40. (x2) Landing Lights Switches

CO-PILOT

Co-Pilot's Control Panel – Right

41. (x4) Intercooler Controls

Co-Pilot's Instrument View

42. (x2) Cylinder Head Temperatures Gauges
43. (x2) Fuel Pressure Gauges
44. (x2) Oil Pressure Gauges
45. (x2) Oil Temperatures Gauges
46. (x2) Carburetor Air Temperatures Gauges (behind column)
47. Free Air Temperature Gauges
48. Fuel Quantity Gauge (US Gallons)
49. Carburetor Air Filter Switch
50. (x4) Oil Dilution Switches
51. Engine Starting Switches
52. Parking Brake Control
53. Engine Fire Extinguisher Controls

CONTROL KEYS

Flight Controls	Key(s)
Pitch (Nose Up)	.
Pitch (Nose Down)	L
Roll (Bank Left)	Z
Roll (Bank Right)	X
Yaw (Rudder Left)	B
Yaw (Rudder Right)	N
Flaps Up	F
Flaps Down	SHIFT + F
Steering/Brake Controls	
Left Steering Brake	B
Right Steering Brake	N
Parking Brake On	P
Parking Brake Off	SHIFT + P
Wheel Brakes On	INSERT
Wheel Brakes Off	DELETE
Tailwheel Lock On	T
Tailwheel Lock Off	SHIFT + T
Landing Gear Controls	
Landing Gear (All) Raise	Up Arrow
Landing Gear (All) Lower	SHIFT + Up Arrow
Landing Gear (Left Main) Raise	Left Arrow
Landing Gear (Left Main) Lower	SHIFT + Left Arrow
Landing Gear (Right Main) Raise	Right Arrow
Landing Gear (Right Main) Lower	SHIFT + Right Arrow
Landing Gear (Tail/Nose) Raise	Down Arrow
Landing Gear (Tail/Nose) Lower	SHIFT + Down Arrow
In-Flight Trim Controls	
Trim Positive Elevator – Fine	CTRL + END
Trim Negative Elevator – Fine	CTRL + HOME
Trim Left Aileron – Fine	CTRL + DELETE
Trim Right Aileron – Fine	CTRL + PAGE DOWN
Trim Left Rudder – Fine	CTRL + INSERT
Trim Right Rudder – Fine	CTRL + PAGE UP
Trim Positive Elevator – Coarse	SHIFT + END
Trim Negative Elevator – Coarse	SHIFT + HOME
Trim Left Aileron – Coarse	SHIFT + DELETE
Trim Right Aileron – Coarse	SHIFT + PAGE DOWN
Trim Left Rudder – Coarse	SHIFT + INSERT
Trim Right Rudder – Coarse	SHIFT + PAGE UP
Trim – Neutral	CTRL + Backspace

Engine Controls	
Select Engine 1	Q
Select Engine 2	W
Select Engine 3	E
Select Engine 4	R
Start Engine	A (or Engine key + A)
Stop Engine	S (or Engine key + S)
Feather Engine	D (or Engine key + D)
Engine 1 Throttle (Up/Down)	No Default
Engine 2 Throttle (Up/Down)	No Default
Engine 3 Throttle (Up/Down)	No Default
Engine 4 Throttle (Up/Down)	No Default
Port Engines Throttles (Up/Down)	No Default
Starboard Engines Throttles (Up/Down)	No Default
Throttle Step Up	= (or Engine key + =)
Throttle Step Down	- (or Engine key + -)
Throttle Step Up – Fine	CTRL + =
Throttle Step Down – Fine	CTRL + -
Throttle Maximum	SHIFT + =
Throttle Minimum	SHIFT + -
All Throttles (Up)	+ (or Engine key + +)
All Throttles (Down)	- (or Engine key + -)
Lock Out AI Engine Control	SHIFT + L (or Engine key + L)
War Emergency Power (WEP) Enable	K (or Engine key + K)
Engine Fire Extinguisher	J (or Engine key + J)
Game Controls	
Computer/Manual Control (Toggle)	M
Accelerate Time 2x, 4x, 8x (Cycle Through)	Home
Decelerate Time 2x, 4x, 8x (Cycle Through)	End
Pause (Toggle)	Pause
Time Skip	Return/Enter
Mini-Time Skip	CTRL + Return/Enter
Jump to Next Plane (in sequence)	]
Jump to Previous Plane (in sequence)	[
Jump to Own B-17	Backspace

B-17 Controls	
Pilot Helper (Toggle)	H
Switch to Action	SHIFT + H
Start Mission	CTRL + B
Instruments View	I
Action View	A
Window (Miscellaneous) View	W
Compartment View	C
Bombardier's station (if occupied)	`
Navigator's station (if occupied)	1
Cheek Gunner's station (if occupied)	2
Pilot's station (if occupied)	3
Co-Pilot's station (if occupied)	4
Top Turret Gunner's station. (if occupied)	5
Radio Operator's station (if occupied)	6
Ball Turret Gunner (if occupied)	7
Left Waist Gunner (if occupied)	8
Right Waist Gunner (if occupied)	9
Tail Gunner's Station (if occupied)	0
Any Alternative View	Spacebar
Flight Instruments	
Pilot Instruments (Pilot/Co-Pilot Instrument View)	F4
Co-Pilot Instruments (Pilot/Co-Pilot Instrument View)	F5
Engine Instruments Zoom (Pilot/Co-Pilot Instrument View)	F6
Directional Instruments Zoom (Pilot/Co-Pilot Instrument View)	F7
Fuel & Electrics Instruments Zoom (Pilot/Co-Pilot Instrument View)	F8
Startup & Cooling Instruments Zoom (Pilot/Co-Pilot Instrument View)	F9
Bombsight Controls	
Bombsight Fine Correction Adjuster	B
Bombsight Search/Track Mode	SHIFT + K
Bombsight Rate Correction Adjuster	N
Weapon Controls	
Machine Guns	;
Cannons	;
Eject Drop Tanks	CTRL + D

Padlock Targeting Controls	
Padlock Nearest Enemy	Y
Padlock Nearest B-17	CTRL + Y
Padlock Nearest Airfield	SHIFT + Y
Padlock Target Nearest Center of View	U
Clear/Restore Padlock View	SHIFT + U
Cockpit Views	
Instrument Snap	CTRL + I
Snap View (Toggle)	CTRL + P
Other Views	
Internal View	F1
External View	F2
Chase View	Spacebar (from External view)
Bomb Release and Target View	F6
Camera Controls	
Zoom In (Coarse)	Numpad +
Zoom Out (Coarse)	Numpad -
Zoom In (Fine)	CTRL + Numpad +
Zoom Out (Fine)	CTRL + Numpad -
Reset Camera	Numpad 5
Camera Up (Coarse)	Numpad 7
Camera Down (Coarse)	Numpad 1
Camera Left (Coarse)	Numpad 4
Camera Right (Coarse)	Numpad 6
Camera Forward (Coarse)	Numpad 8
Camera Backward (Coarse)	Numpad 2
Camera Pan Left (Coarse)	Numpad 0
Camera Pan Right (Coarse)	Numpad .
Camera Pan Up (Coarse)	Numpad 9
Camera Pan Down (Coarse)	Numpad 3
Camera Up (Fine)	CTRL + Numpad 7
Camera Down (Fine)	CTRL + Numpad 1
Camera Left (Fine)	CTRL + Numpad 4
Camera Right (Fine)	CTRL + Numpad 6
Camera Forward (Fine)	CTRL + Numpad 8
Camera Backward (Fine)	CTRL + Numpad 2
Camera Pan Up (Fine)	CTRL + Numpad 3
Camera Pan Down (Fine)	CTRL + Numpad 9
Camera Pan Left (Fine)	CTRL + Numpad 0
Camera Pan Right (Fine)	CTRL + Numpad .
Miscellaneous Controls	
Console Mode	ESC
Bail Out	CTRL + SHIFT + B
Quit Mission	CTRL + SHIFT + Q
Quit to Desktop	ALT + F4

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